

# LG 65NANO97

LG 65NANO97 65" Nanocell 8K TV \*TV license\*

## Product Overview

LG 65NANO97 65" Nanocell 8K TV, Alpha9 Gen3 AI Processor 8K, AI 8K Upscaling, 40W 2.2Ch Sound Output, AI Image Picture Pro, VP9 & AV1 8K Decoder, HDMI 2.1 x 4, Hands Free Voice control \*TV license required\*



## Specifications

### Features:

#### The Pure Colors

LG NanoCell technology reproduces pure color by applying about 1 nm nanoparticles. Now in 8K resolution, NanoCell TV delivers incredible picture quality with improved color purity.

#### Why Real 8K?

8K offers 33 million pixels (99 million sub-pixels)- the more pixels, the higher the density. So to get the sense of realism from 8K, making each pixel appear separate and distinct to the eyes is more important. LG NanoCell exceeds the CTA's definition for 8K TV. That's what LG NanoCell 8K presents - the 'Real 8K'.

#### Transform into Optimal 8K Content

With deep learning algorithms, 9 Gen3 AI Processor 8K analyzes the on-screen content to deliver content as its most immersive. All adjustments are automatic, enhanced for the ultimate picture and sound, to make every viewing a spectacular one.

#### See Pure Colors with Eye Comfort

LG NanoCell TVs have received a "No Photobiological LED Hazard" certification from Underwriters Laboratories (UL), ensuring your eyes are protected from harmful light being emitted.

#### Exceeds International Standards

The 'No Photobiological LED Hazard' test measures five standards including blue light, actinic UV, near UV, IR radiation, and retinal thermal. These are the official international standards for measuring the harmful effects of LEDs on the human body, as defined by the IEC), NanoCell TVs exceeded each standard.

#### Pure Colors Complete the 8K Large Screen

The NanoCell TV delivers viewing experience like no other on a large screen. Pure Colors enhanced by NanoCell technology make spectacular images on an ultra 8K scale.

**Pure Colors Turn Your Home into the Movie Theater**

NanoCell TV makes all scenes real based on the vivid Pure Colors creates and the intense contrast that Nano Black creates. In addition, it delivers optimized visual and sound for a spectacular, more lifelike experience. Now enjoy the true home cinema with NanoCell TV, which supports unlimited entertainment.

**Delivering the Creator's Vision**

Watch movies the way they should be - absolutely breathtaking. With Dolby Vision IQ -extends the benefits of Dolby Vision beyond HDR-, screen brightness, color and contrast are intelligently adjusted for genre and lighting conditions. Dolby Atmos delivers the immersive audio experience, for maximum enjoyment of all content.

**See Content the Way it was Made**

The processor automatically adjusts the picture, turning off motion smoothing for the full motion picture effect. Watch films with the creative intent and cinematic experience preserved. Enjoy all your content at the cinematic standard and feel the full artistic intent of every film.

**Upgraded Major HDR Formats**

NanoCell TVs provide optimal HDR picture quality by adjusting the supported major HDR formats HLG and HDR 10. It allows you to enjoy all of your content in lifelike high definition.

**Make Every Scene a Highlight**

Full Array Dimming enhances contrast and black levels by individual control of LED backlight and dramatically improves details for a more immersive experience.

**Multiplex in Your Home**

Dive into the wide variety of content available on the Netflix. From the latest movies, TV shows, and documentaries, to live sports and more, find them all here in one place. Just sit back and enjoy.

**Ready to Play More 8K Content**

With HEVC, AV1 and VP9) codec support, you can watch 8K YouTube videos as well as 8K videos from a USB storage device or streaming services).

**Pure Colors Bring Battlefield in Front of You**

NanoCell technology completes a virtual world that surpasses reality with Pure Colors, created through NanoCell Technology. In addition, various game features such as Low Input lag, HDMI 2.1 and HGiG allow you to enjoy a virtual world of improved graphics on real-time.

**React and Aim More Faster**

NanoCell TV allows users to instantly attack the opponent without delay. It synchronizes your senses with real-time scenes happening in a fast-paced game by low input lag.

**Next Gen. Gaming Standard**

A higher frame rate, ALLM (Auto Low Latency Mode) and eARC (Enhanced Audio Return Channel) all meet HDMI 2.1 specifications. These latest features allow fast-moving content in higher resolution and smooth, synchronized graphics. It's a more lifelike gaming experience. LG NanoCell 8K TVs have successfully completed testing at the HDMI Authorized Test Center in accordance with the HDMI Compliance Test Specification (2.1d)\*.

**Realistic Cinema Cut-scene**

Get wholly immersed into the game with views that are much more pleasing to the eyes. HGiG recognizes TV performance of picture quality and tunes HDR graphics to providing the ultimate HDR gaming experience.

**Pure Colors Create a Real Stadium Feel**

With Nano Accuracy, the NanoCell TV delivers accurate color from any angles, all on 8K screen without distortion. Watch your

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favorite teams play displayed with Pure Colors on an ultra-large screen with amazing picture quality.

#### Sit a Real Stadium Stand

With an ultra-large screen spanning 75-inches or more. NanoCell TV brings the huge stadium straight to your home. See the detailed movements of players as if they are right in front of you.

#### See Every Movement in Detail

Residual image(motion blur) must be avoided at all costs when watching sports. Now, with the Motion Pro feature, watch every quick and subtle movement of every player without the blur on your TV. With LG NanoCell, there's no need to worry about the blur of flicker.

#### Don't Miss the Shot

Sports alert notifies you before, during, and after games. You'll never have to worry about missing the big plays from your favorite teams, even when you're watching other content.

#### Big Sound for the Big Game

NanoCell Tv up-mixed 2.0 ch sound to richer virtual 4.0 sound. It can create a surround sound effect by connecting two bluetooth speakers. Become more immersed in the game and get the feeling of a live atmosphere.

#### Do More Beyond the TV

Transform your TV into a central hub with the intelligent ThinQ AI. With natural voice recognition, LG ThinQ allows you to command and control your Home IoT ecosystem, simply with your voice, no remote needed.

#### Add Sophisticated Ambiance

With its minimal Nano Bezel, NanoCell designed to blend into any interior and delivers immersive viewing experience without any interruption.

#### See how LG TV will fit your space

Check out the design and size of LG TVs with LG TV AR app.

#### Specifications:

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| <b>Specifications</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |
| <b>Product Code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LG 65NANO97        |
| <b>DISPLAY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |
| <b>Display Type</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8K NanoCell        |
| <b>Screen Size</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 65"                |
| <b>Resolution</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7680 x 4320        |
| <b>NanoCell Display</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Yes                |
| <b>IPS Panel</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Yes                |
| <b>Wide Viewing Angle</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Yes                |
| <b>Wide Color Gamut</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Nano Color Pro     |
| <b>Billion Rich Colors</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                |
| <b>Dimming</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Full Array Dimming |

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|                                  |                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Ultra Luminance                  | Ultra Luminance Pro                                                                                                       |
| BLU Type                         | Direct                                                                                                                    |
| TruMotion/Refresh Rate           | TM200 (Refresh Rate 100Hz)                                                                                                |
| VIDEO(PICTURE QUALITY)           |                                                                                                                           |
| Processor                        | ?9 Gen3 AI Processor 8K                                                                                                   |
| AI Picture/Pro                   | AI Picture Pro                                                                                                            |
| Face Enhancing                   | AI Picture Pro - Face Enhancing                                                                                           |
| AI Upscaling                     | AI 8K Upscaling                                                                                                           |
| Auto Genre Selection             | Yes (SDR/HDR/Dolby HDR)                                                                                                   |
| Image Enhancing                  | Image Enhacing on SQM                                                                                                     |
| AI Brightness Control            | Yes                                                                                                                       |
| HDR                              | Cinema HDR                                                                                                                |
| Dolby Vision IQ                  | Yes/Yes/yes (4K/2K)                                                                                                       |
| HDR10 Pro                        | Yes/Yes/Yes/Yes (4K/2K)                                                                                                   |
| HLG                              | Yes/Yes/Yes/Yes (4K/2K)                                                                                                   |
| FILMMAKER MODE                   | Yes                                                                                                                       |
| HDR Effect                       | Yes (4K/2K)                                                                                                               |
| Dynamic Tone Mapping/Pro         | HDR Dynamic Tone Mapping                                                                                                  |
| 4K HFR                           | Yes/Yes/Yes                                                                                                               |
| 2K HFR                           | Yes/Yes/Yes                                                                                                               |
| Motion Pro                       | Motion Pro                                                                                                                |
| Dimming Algorithm                | Luminance Optimizer for Local Dimming                                                                                     |
| Upscaler                         | 8K Upscaler                                                                                                               |
| HEVC (Video Decoder)             | 8K@60p, 10bit                                                                                                             |
| VP9 (Video Decoder)              | 8K@60p, 10bit                                                                                                             |
| AV1                              | 8K@60p, 10bit                                                                                                             |
| HGIG Mode                        | Yes                                                                                                                       |
| Instant Game Response (VRR/ALLM) | -/Yes                                                                                                                     |
| Picture Mode                     | Yes 10 modes                                                                                                              |
|                                  | (Vivid, Standard, Eco, Cinema, Sports, Game, HDR Effect, Filmmaker, (ISF) Expert (Bright Room), (ISF) Expert (Dark Room)) |
| AUDIO                            |                                                                                                                           |
| Speaker (sound output)           | 40W                                                                                                                       |
|                                  | (WF:20W, 10W per Channel)                                                                                                 |
| Channel                          | 2.2ch                                                                                                                     |
| Direction                        | Down Firing                                                                                                               |

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|-------------------------------------------|------------------------------------------------------------------------|
| Simultaneous Audio Output                 | Yes (Optical Output or HP Support Model)                               |
| Dolby Atmos                               | Yes                                                                    |
| AI Sound/Pro                              | AI Sound Pro                                                           |
| AI Acoustic Tuning                        | Yes                                                                    |
| Surround Mode                             | Ultra Surround                                                         |
| Clear Voice                               | Clear Voice IV                                                         |
| Bluetooth Surround Ready                  | Yes                                                                    |
| WiSA Speakers                             | Yes (2.0ch)                                                            |
| LG Sound Sync                             | Yes                                                                    |
| Auto Notification (Bluetooth easy paring) | Yes                                                                    |
| Sound Share                               | Yes                                                                    |
| Audio Codec                               | AC4, AC3 (Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X |
| AI FUNCTION                               |                                                                        |
| ThinQ                                     | Yes                                                                    |
| Intelligent Voice Recognition             | Yes                                                                    |
| Speech to Text                            | Yes                                                                    |
| LG Voice Search                           | Yes                                                                    |
| AI UX                                     | Yes                                                                    |
| AI Home                                   | Yes                                                                    |
| AI Recommendation/AI                      | Yes                                                                    |
| Intelligent Edit                          | Yes                                                                    |
| Home Dashboard                            | Yes                                                                    |
| Auto Device Detection                     | Yes                                                                    |
| Mobile Connectivity                       | Yes                                                                    |
| ThinQ App                                 | Yes                                                                    |
| SMART FUNCTION                            |                                                                        |
| Operating System (OS)                     | webOS Smart TV                                                         |
| Number of CPUs                            | Quad                                                                   |
| Magic Remote Control                      | Built-In                                                               |
| Quick Access                              | Yes                                                                    |
| Universal Control                         | Yes                                                                    |
| 360 degrees VR Play                       | Yes                                                                    |
| Related Content Search                    | Yes                                                                    |
| Art Gallery                               | Yes                                                                    |
| LG Store                                  | Yes                                                                    |
| DIAL                                      | Yes                                                                    |

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|-----------------------------------------------------|-------------------------|
| Web Browser                                         | Yes                     |
| Music Player                                        | Yes                     |
| TV On With Mobile                                   | Yes                     |
| Wi-Fi TV On                                         | Yes                     |
| Bluetooth Low Energy On                             | Yes                     |
| Network File Browser                                | Yes                     |
| Block access to harmful site                        | Yes                     |
| Hotel Mode                                          | Yes                     |
| Sports Alert                                        | Yes                     |
| Music Discovery                                     | Yes                     |
| <b>BROADCASTING SYSTEM</b>                          |                         |
| Digital TV Reception(Terrestrial, Cable, Satellite) | Yes                     |
| Terrestrial                                         | DVB-T2                  |
| Cable                                               | DVB-C                   |
| Satellite                                           | DVB-S2                  |
| Analog TV Reception                                 | Yes                     |
| Data Broadcasting (Country Spec)                    | Yes (Iran)              |
| Teletext Page                                       | Yes                     |
| Teletext (Top/Flof/List)                            | Yes                     |
| [DVB] Subtitle                                      | Yes                     |
| AD (Audio Description)                              | Yes                     |
| EPG (8days)                                         | Yes                     |
| <b>CONNECTIVITY</b>                                 |                         |
| Screen Share                                        | Yes                     |
| HDMI                                                | 4 (Side)                |
| Version                                             | HDMI 2.1                |
| Simplink (HDMI CEC)                                 | Yes                     |
| eARC/ARC (Audio Return Channel)                     | eARC (HDMI 2)           |
| USB                                                 | 1 (Rear)/2 (Side)       |
| LAN                                                 | Yes (Rear)              |
| Component                                           | Yes (Rear, Gender Type) |
| Composite In (AV)                                   | Yes (Rear, Gender Type) |
| CI Slot                                             | Yes (Side)              |
| A-CAS                                               | Yes (Side)              |
| RF In                                               | 2 (Rear, RF/Sat)        |
| SPDIF (Optical Digital Audio Out)                   | Yes (Rear)              |

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|---------------------------|-----------------------------|
| Headphone out             | Yes (Rear)                  |
| Line out                  | Yes (Headphone out common)  |
| RS-232C (Control/SVC)     | Yes (Rear, Phone Jack Type) |
| IR Blaster                | Yes                         |
| Wifi                      | Yes (802.11ac)              |
| Bluetooth                 | Yes (V5.0)                  |
| <b>POWER &amp; GREEN</b>  |                             |
| Power Supply              | AC 100~240V 50-60Hz         |
| Standby Power Consumption | Under 0.5W                  |
| Energy saving Mode        | Yes                         |
| Illuminance Green sensor  | Yes                         |
| Energy Standard           | Yes                         |
| <b>ACCESSORY</b>          |                             |
| Remote                    | MR20                        |
| Battereis                 | Yes (AA x 2EA)              |
| Component/AV Gender       | -/Yes                       |
| IR Blaster Cable          | Yes                         |
| Power Cable               | Yes (TV Attached)           |
| <b>ADDITIONAL FEATURE</b> |                             |
| Auto Calibration          | Yes                         |
| Time Machine (DVR)        | Yes                         |
| Digital Recording         | Yes                         |
| Analog DVR                | Yes                         |
| Time Shift                | Yes                         |
| Watch & Record            | Yes                         |

## Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

**Product page:** <https://www.comx.co.za/LG-65NANO97-LG-65NANO97-65-Nanocell-8K-TV-TV-license-Buy-p-254287.php>

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decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.